

**EXHIBIT 1**

**Walthery and Twinney Well Sampling Results  
(NJDEP-SITE220-026052; 026053; 026055; 026057)**

**June 23, 1992 Letter from William Mowell to John Horan  
(NJ-WG012572-012577)**

**Village of Ridgewood Municipal Well Sampling Results  
(SH-WK-RIDGEWOOD-009195-009198)**

**ACCUTEST®**

LABORATORIES

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TO: Handex Corporation  
703 Ginese Drive  
Morganville, New Jersey 07751

ATTN: Greg Reuter

DATE: 7-27-87

JOB No.: 87-3394

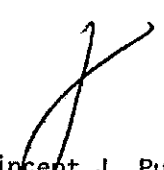
P. O. No.:

SAMPLE RECEIVED: 7-15-87

**ANALYSIS REPORT**

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
7080	7-14-87	1015	KM	Ridgewood Shell, Rte 17 S, Walthery Well, Water sample

EPA APPROVED, NJDEP CERTIFIED

  
Vincent J. Pugliese  
ENV. LAB. MGR.

NJDEP-SITE220-026052



## ANALYSIS REPORT FOR VOLATILE ORGANICS BY GC/MS

CLIENT : HANDEX/SHELL WALTHERY  
 SAMPLE ID.: WATER FOR VOA #7080  
 DATA FILE : >A5524

METHOD : EPA 624  
 ANALYSIS DATE: 07/20/87  
 ANALYST : J.M.

	COMPOUND	RESULT (UG/L)	MDL (UG/L)
1)	ACROLEIN	ND	100
2)	ACRYLONITRILE	ND	100
3)	BENZENE	ND	5.0
4)	BROMOFORM	ND	5.0
5)	BROMODICHLOROMETHANE	ND	5.0
6)	BROMOMETHANE	ND	5.0
7)	CARBON TETRACHLORIDE	ND	5.0
8)	CHLOROBENZENE	ND	5.0
9)	CHLOROETHANE	ND	5.0
10)	2-CHLOROETHYL VINYL ETHER	ND	5.0
11)	CHLOROFORM	ND	5.0
12)	CHLOROMETHANE	ND	5.0
13)	cis-1,3-DICHLOROPROPENE	ND	5.0
14)	DIBROMOCHLOROMETHANE	ND	5.0
15)	1,2-DICHLOROBENZENE	ND	5.0
16)	1,3-DICHLOROBENZENE	ND	5.0
17)	1,4-DICHLOROBENZENE	ND	5.0
18)	1,1-DICHLOROETHANE	ND	5.0
19)	1,2-DICHLOROETHANE	ND	5.0
20)	1,1-DICHLOROETHYLENE	ND	5.0
21)	trans-1,2-DICHLOROETHYLENE	ND	5.0
22)	trans-1,3-DICHLOROPROPENE	ND	5.0
23)	1,2-DICHLOROPROPANE	ND	5.0
24)	ETHYLBENZENE	ND	5.0
25)	METHYLENE CHLORIDE	ND	5.0
26)	1,1,2,2-TETRACHLOROETHANE	ND	5.0
27)	TETRACHLOROETHYLENE	40	5.0
28)	TOLUENE	2.8 JB	5.0
29)	1,1,1-TRICHLOROETHANE	11	5.0
30)	1,1,2-TRICHLOROETHANE	ND	5.0
31)	TRICHLOROETHYLENE	ND	5.0
32)	TRICHLOROFLUOROMETHANE	ND	5.0
33)	VINYL CHLORIDE	ND	5.0
34)	m-XYLENE	ND	5.0
35)	p,o-XYLENE	ND	5.0
ADDITIONAL COMPOUNDS			
36)	1,2-DIBROMOMETHANE (EDB)	ND	5.0
37)	DI-ISOPROPYL ETHER	1.7 J	5.0
38)	METHANOL (BY GC/FID)	ND	1000
39)	METHYL TERT BUTYL ETHER	84	5.0
40)	TERTIARY BUTYL ALCOHOL	ND	5.0

J =BELOW METHOD DETECTION LIMIT  
 MDL=METHOD DETECTION LIMIT  
 ND =NON DETECTABLE

B=ANALYTE WAS ALSO FOUND IN  
 METHOD BLANK INDICATING  
 POSSIBLE/PROBABLE LAB

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LABORATORIES

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TO: Handex Corporation  
703 Ginesi Drive  
Morganville, New Jersey 07751  
  
ATTN: Greg Reuter

DATE: 8-7-87  
JOB No.: 87-3524  
P. O. No.:  
SAMPLE RECEIVED: 7-22-87

**ANALYSIS REPORT**

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
7328	7-21-87	1225	KM	Shell S/S, Ridgewood, Rte 17S, Twinny Well,
				water sample

EPA APPROVED, NJDEP CERTIFIED



Vincent J. Pugliese  
ENV. LAB. MGR.

NJDEP-SITE220-026055



## ANALYSIS REPORT FOR VOLATILE ORGANICS BY GC/MS

CLIENT : HANDEX TWINNY WELL  
 SAMPLE ID.: WATER FOR VOA #7328  
 DATA FILE : >B3312

METHOD : EPA 624  
 ANALYSIS DATE: 07/28/87  
 ANALYST : CJD

	COMPOUND	RESULT (UG/L)	MDL (UG/L)
1)	ACROLEIN	ND	100
2)	ACRYLONITRILE	ND	100
3)	BENZENE	ND	5.0
4)	BROMOFORM	ND	5.0
5)	BROMODICHLOROMETHANE	ND	5.0
6)	BROMOMETHANE	ND	5.0
7)	CARBON TETRACHLORIDE	ND	5.0
8)	CHLOROBENZENE	ND	5.0
9)	CHLOROETHANE	ND	5.0
10)	2-CHLOROETHYL VINYL ETHER	ND	5.0
11)	CHLOROFORM	ND	5.0
12)	CHLOROMETHANE	ND	5.0
13)	cis-1,3-DICHLOROPROPENE	ND	5.0
14)	DIBROMOCHLOROMETHANE	ND	5.0
15)	1,2-DICHLOROBENZENE	ND	5.0
16)	1,3-DICHLOROBENZENE	ND	5.0
17)	1,4-DICHLOROBENZENE	ND	5.0
18)	1,1-DICHLOROETHANE	ND	5.0
19)	1,2-DICHLOROETHANE	ND	5.0
20)	1,1-DICHLOROETHYLENE	ND	5.0
21)	trans-1,2-DICHLOROETHYLENE	3.2 J	5.0
22)	trans-1,3-DICHLOROPROPENE	ND	5.0
23)	1,2-DICHLOROPROPANE	ND	5.0
24)	ETHYLBENZENE	ND	5.0
25)	METHYLENE CHLORIDE	4.2 JB	5.0
26)	1,1,2,2-TETRACHLOROETHANE	ND	5.0
27)	TETRACHLOROETHYLENE	20	5.0
28)	TOLUENE	4.0 JB	5.0
29)	1,1,1-TRICHLOROETHANE	ND	5.0
30)	1,1,2-TRICHLOROETHANE	ND	5.0
31)	TRICHLOROETHYLENE	2.3 J	5.0
32)	TRICHLOROFLUOROMETHANE	ND	5.0
33)	VINYL CHLORIDE	ND	5.0
34)	m-XYLENE	ND	5.0
35)	p,o-XYLENE	ND	5.0
ADDITIONAL COMPOUNDS			
36)	1,2-DIBROMOMETHANE (EDB)	ND	5.0
37)	DI-ISOPROPYL ETHER	ND	5.0
38)	METHANOL (BY GC/FID)	ND	1000
39)	METHYL TERT BUTYL ETHER	145	5.0
40)	TERTIARY BUTYL ALCOHOL (BY GC/FID)	ND	50

J =BELOW METHOD DETECTION LIMIT  
 MDL=METHOD DETECTION LIMIT  
 ND =NON DETECTABLE

B=ANALYTE WAS ALSO FOUND IN  
 METHOD BLANK INDICATING  
 POSSIBLE/PROBABLE LAB

## VILLAGE OF RIDGEWOOD

BERGEN COUNTY, NEW JERSEY



June 23, 1992

John D. Horan, Esq.  
Stoldt & Horan  
Continental Plaza  
401 Hackensack Avenue  
Hackensack, NJ 07601

Re: Preliminary Letter  
Twinney and Walthery Water Supply Wells  
Gasoline Contamination and Treatment

Dear Mr. Horan:

You have asked for my opinion to qualify and quantify the costs associated with the planning, design, construction, operation, and maintenance of the Twinney Treatment Facility (which treats both the Twinney and Walthery Wells). More specifically, to define the costs associated with the extra degree of treatment required to remove the gasoline related compounds from the potable water supplied by the Twinney and Walthery water supply wells. The costs presented herein are a determination of the cost to the Village of Ridgewood as a result of the contamination of two of its groundwater supply wells with gasoline related compounds.

### BACKGROUND

The Village of Ridgewood provides potable water to approximately 60,000 persons in Ridgewood, Glen Rock, Wyckoff, and Midland Park. On an average day about seven million gallons of water is pumped from 58 wells which are located in the four towns served. Over the past several years both the Federal and State regulatory agencies have been developing more stringent drinking water standards that have impacted the Village's system and initiated a program to bring the system into compliance with these standards.

The Village retained the consulting firm of Havens and Emerson, Inc. to conduct a study of the water system to determine the impact of the regulations and to develop a plan for meeting these regulations. This study resulted in a document titled the SAFE DRINKING WATER ACT IMPACT ANALYSIS which was completed in April 1990. This report presented a plan for the Village to follow in order to bring the system into compliance with the drinking water regulations.

The report specifically discusses the situation of required treatment for the Twinney and Walthery wells, which like many of

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the other wells in the system are impacted by Volatile Organic Contaminants (VOCs); more specifically, many of the wells are impacted by Tetrachloroethylene (PCE) and Trichloroethylene (TCE). Additionally, the Twinney and Walthery wells are also contaminated with levels of gasoline related compounds which are also volatile and organic by nature. (Throughout the remainder of this letter PCE and TCE will be referred to as VOCs while the gasoline related compounds will be referred to as such.) The VOCs and the gasoline related products are both able to be removed from the water by aerating the water (passing air by the water as it cascades down over packing inside of an air stripping column). However, the VOCs that are present in the Twinney and Walthery wells are able to be removed from the water far more easily than the gasoline related compounds.

The overall treatment plan for the water system included the construction of a treatment facility at the location of the Twinney well with an interconnecting pipeline to bring the water from the Walthery well to the Twinney location for treatment and pumping into the water system. This was determined to be the most cost effective solution to the treatment of these two wells and allows the two wells contaminated with gasoline related compounds to be treated at the same location. The Twinney and Walthery wells were ranked with a high priority in the overall treatment plan because of their level of contamination and the high production rate of the Twinney well. Therefore, the Twinney treatment facility was slated to be one of three facilities to be designed and constructed under Phase 1, Stage A (Phase 1A) of the overall system treatment plan. Phase 1 was divided into two stages to account for the immediate need to construct treatment facilities for the associated wells that would allow those wells to be put back into service. Design of the Phase 1A facilities was begun in the summer of 1990 and completed by the fall. Bidding, award, and construction followed and were completed by late 1991. Three interconnecting pipelines were also designed under Phase 1A but were bid, awarded, and are being constructed under a separate construction contract.

#### **COSTS**

Since the Twinney and Walthery wells would have required treatment as a result of the levels of VOCs, the cost analysis presented herein looks to quantify the extra cost associated with providing a higher degree of treatment needed to remove the gasoline related compounds from the water pumped from these wells. The costs are broken down into categories that represent the lost revenue to the Village as a result of the wells being out of service and the portion of the costs associated with the design, construction, operation, and maintenance of the Twinney treatment facility; up and above the costs that would have been required to only treat for the VOCs that are present.

The Twinney treatment facility was constructed in 1991 to allow the Ridgewood Water Department to utilize the Twinney well to meet peak summertime water demands and had been out of service since the

gasoline contamination was detected in the water pumped from the both wells in June 1987. The Walthery transmission main (pipeline) is part of a separate construction contract and is currently (spring 1992) being installed. This pipeline will allow the water pumped from the Walthery well to flow to the Twinney treatment facility for aeration treatment. The pipeline is comprised of two segments. The first portion of the pipeline utilizes an existing water distribution pipe that has been isolated from the water system to allow it to carry the untreated well water. The second portion of the pipeline is new and requires the installation of about 1000 feet of pipe. By utilizing the existing portion of pipe the Village is able to reduce the overall costs of providing treatment for the Walthery well. The Walthery well has also been out of service because of the presence of gasoline related compounds in June 1987.

#### LOST REVENUE

Since the wells have been out of service starting in June of 1987 the Ridgewood water system has faced water supply restrictions on two occasions. Both of these occasions occurred during peak summertime demand periods of 1988 and 1991. When extremely high water demands occur for an extended period of time officials have to make determinations of the water systems capabilities of meeting the demands. During 1988 officials at the State level determined that the drought conditions of that summer warranted the restriction of water usage through the State of New Jersey to compensate for the high demand and lack of available water. Ironically, since the Ridgewood system is a groundwater supply, these restrictions were not necessary for its system. However, the Ridgewood system had to comply with these restrictions. Thus, it is not felt that these restrictions were in any way attributable to any loss in revenue because of the gasoline contamination.

The dry conditions in northern New Jersey during the summer of 1991 however, caused Ridgewood officials to impose water usage restrictions from July 4 through September 1. These restrictions were brought about as a result of continued high demands, hot and dry weather, and the continued drop of water levels in the water supply wells. Had the Twinney and Walthery wells been able to supply the system, the imposition of these restrictions may have been able to be delayed. This would have allowed the system to sell more water and generate more revenue. Daily demands dropped an average of one million gallons per day (1 MGD) from June to July of 1991 and another three MGD in August. How much would the Twinney and Walthery wells have helped to deter the water usage restrictions? How much did the restrictions reduce the demand in the system and thus decrease the resultant

RDG-VILL-0033

revenue? The answers to these questions are not readily obtainable. Therefore, a simplified approach to the lost revenue has been taken as shown on Worksheet 1. The approach presented therein is a reasonable and objective way of calculating the lost revenue of the Water Department. The flowrate from the Twinney and Walthery wells, based on past operating conditions, was totalled and multiplied by the cost of water during the summer of 1991 to arrive at a cost to the Village of \$48,240 for lost revenue.

#### DESIGN AND CONSTRUCTION

Since the Twinney treatment facility has been designed and constructed and the Walthery pipeline has been designed and is currently under construction, the associated costs of the design and construction of these facilities is quite well defined. The difficulty herein lies in trying to cull the costs associated solely with the gasoline contamination from the costs of the whole treatment facility and pipeline. The Walthery pipeline would have been required to be constructed since the two wells are impacted with high levels of VOCs and because the wells would still have to be treated. Thus, the cost associated with this pipeline are not a result of the gasoline contamination.

Similarly, the Twinney treatment facility had to be constructed to treat the Twinney and Walthery wells for VOCs. However, the facility that was designed and constructed has greater treatment capabilities for removing the gasoline related compounds and therefore, is a more elaborate and expensive facility than a facility sized to remove the level of VOCs that are present in the Twinney and Walthery wells. The Twinney treatment facility was part of a contract to design and construct three treatment facilities. One of the two other facilities is very similar to the arrangement that would have been required at the Twinney well site for the treatment of just VOCs. This facility is the East Ridgewood treatment facility, which treats the East Ridgewood and Paramus wells. There would have been only minor differences between these two facilities if the Twinney facility were to have been sized to remove only VOCs. Therefore, a comparison of the costs to construct these facilities yields a very close estimate of the additional cost to provide the added degree of treatment for the gasoline related compounds. The cost comparison is as follows:

Twinney Treatment Facility Costs	\$ 1,112,020
E. Ridgewood Treatment Facility Costs	\$ 663,177

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RDG-VILL-0034

Differential

\$ 448,843

Design costs for these types of facilities usually run in the neighborhood of ten percent of the construction costs. Since the design contract was a lump sum contract for all three facilities and since it would be difficult to cull out the costs associated with the added treatment, this percentage was utilized to approximate the associated design costs as follows:

$$0.1 \times \$448,843 = \$44,884$$

#### OPERATIONS AND MAINTENANCE

The Twinney treatment facility was put into active operation during the spring of 1992 and the Walthery pipeline will be completed by the early summer of 1992. There will be costs associated with operation and maintenance (O&M) of the facility that need to be determined for the equipment performing the extra degree of treatment. The only equipment that exclusively operates as a result of the added degree of treatment is the pumping and monitoring equipment associated with the second stage stripping tower. (The tower height needed to strip the gasoline related compounds from the water was too high to be accommodated at the site, therefore the tower height had to be divided amongst two towers. Water is pumped from the wells into the first tower where it cascades down through the tower into a clearwell or collection basin. From here the water is repumped to the top of the second tower.) It is this repumping cost that is directly attributable to the gasoline contamination. A portion of the blower and monitoring equipment costs are further attributable to the gasoline contamination. The O&M costs of the remainder of the equipment would have been required for VOC treatment alone. The O&M costs are estimated in Worksheet 2 to be \$166,480. This is based on a 20 year life of the facility and the treatment of the gasoline related compounds. This is a preliminary estimate that will be investigated further before these costs are considered final.

#### COST SUMMARY

The following is a summary of the costs (described above) that have been expended by the Village of Ridgewood as a result of the contamination of the Twinney and Walthery water supply wells with gasoline related compounds.


RDG-VILL-0035

SH-NJ-WG012576

ITEM	COST
-----	-----
LOST REVENUE	\$ 48,240
DESIGN	\$448,843
CONSTRUCTION	\$ 44,884
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SUBTOTAL (1991 dollars)	\$541,967
SUBTOTAL (1992 dollars)	\$574,485
OPERATING & MAINTENANCE	\$166,480
-----	-----
TOTAL	\$740,965

The estimated cost of \$740,965 (\$740,000) is a fair estimation of the costs attributable to the additional treatment that is required to remove the gasoline contamination from the water supplied by the Twinney and Walthery water supply wells and the costs associated with the loss of revenue to the Village as a result of not being able to operate these wells since June of 1987. This cost is preliminarily based on the estimation of a 20 year life cycle for the O&M costs of the treatment of the gasoline related contamination. I will follow up on this preliminary estimation and finalize this letter in the near future.

Very truly yours,

  
 William G. Mowell  
 Environmental Engineer

RDG-VILL-0036

SH-NJ-WG012577

## Twinny Treatment Facility

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
55							09/25/07		0	0	0	0	0	08/15/06	4.51	0	0.45	0	0	0	10/07/08	7.4	0	0	0	0
56							10/09/07		0	0	0	0	0	08/29/06	3.79	0	0.29	0	0	0	10/21/08	8.7	0	0	0	0
57							10/23/07		0	0	0	0	0	09/12/06	3.93	0	0	0	0	0	07/27/10	17.8	0	0	0	0
58							11/06/07		0	0	0	0	0	09/26/06	4.67	0	0.43	0	0	0	08/10/10	16.2	0	0	0	0
59							11/20/07		0	0	0	0	0	10/10/06	4.07	0	0.3	0	0	0	08/24/10	14.6	0	0	0	0
60							12/04/07	0.43	0	0	0	0	0	10/24/06	3.31	0	0.46	0	0	0	09/07/10	14.9	0	0	0	0
61							12/18/07		0	0	0	0	0	11/07/06	1.53	0	0	0	0	0	10/06/10	16.3	0	0	0	0
62							01/02/08		0	0	0	0	0	03/13/07	2.38	0	0	0	1.07	0		0	0	0	0	0
63							02/14/08		0	0	0	0	0	03/27/07	2.76	0	0	0	0	0		0	0	0	0	0
64							04/22/08		0	0	0	0	0	04/24/07	4.08	0	0	0	0	0		0	0	0	0	0
65							05/07/08		0	0	0	0	0	05/08/07	4.15	0	0	0	0	0		0	0	0	0	0
66							05/20/06		0	0	0	0	0	06/22/07	4.77	0	0	0	0	0		0	0	0	0	0
67							06/03/08		0	0	0	0	0	06/05/07	4.19	0	0	0	0	0		0	0	0	0	0
68							06/17/08		0	0	0	0	0	06/19/07	4.09	0	0	0	0	0		0	0	0	0	0
69							07/01/08		0	0	0	0	0	07/02/07	3.97	0	0	0	0	0		0	0	0	0	0
70							07/15/08		0	0	0	0	0	07/17/07	4.73	0	0	0	0	0		0	0	0	0	0
71							07/28/08		0	0	0	0	0	08/14/07	5.27	0	0	0	0	0		0	0	0	0	0
72							08/12/08		0	0	0	0	0	11/06/07	4.55	0	0	0	0	0		0	0	0	0	0
73							08/26/08		0	0	0	0	0	05/07/08	2.24	0	0	0	0	0		0	0	0	0	0
74							09/09/08		0	0	0	0	0	08/12/08	2.9	0	0	0	0	0		0	0	0	0	0
75							09/23/08		0	0	0	0	0	11/04/08	1.4	0	0	0	0	0		0	0	0	0	0
76							10/07/08		0	0	0	0	0	02/24/09	0	0	0	0	0	0		0	0	0	0	0
77							10/21/06		0	0	0	0	0	08/11/09	1.4	0	0	0	0	0		0	0	0	0	0
78							11/04/08		0	0	0	0	0	11/03/09	0	0	0	0	0	0		0	0	0	0	0
79							02/24/09		0	0	0	0	0	08/10/10	5.04	0	0	0	0	0		0	0	0	0	0
80							06/30/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
81							07/14/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
82							07/28/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
83							08/11/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
84							08/25/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
85							09/22/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
86							10/06/06		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
87							10/20/08		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
88							11/03/09		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
89							05/18/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
90							06/01/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
91							06/29/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
92							07/13/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
93							07/27/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
94							08/10/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
95							08/24/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
96							09/07/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
97							09/21/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
98							10/05/10		0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
99									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
100									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
101									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
102									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
103									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
104									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
105									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
106									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
107									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
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109									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
110									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
111									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
112									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
113									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
114									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
115									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
116									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
117									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
118									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
119									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
120									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
121									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
122									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
123									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
124									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
125									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
126									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
127									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
128									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
129									0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
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NJ-WK-RIDGEWOOD-009197  
NJ-WK-RIDGEWOOD-009198

**EXHIBIT 2**

**Excerpts of the 1994 Settlement Agreement  
(SH-NJ-XX-081405-081417)**

**A complete copy of the Agreement is available upon request of  
the Court**

**SETTLEMENT AGREEMENT,  
INDEMNIFICATION AGREEMENT  
AND RELEASE**

**THIS SETTLEMENT AGREEMENT, INDEMNIFICATION AGREEMENT  
AND RELEASE** (hereinafter the "Agreement"), is made by and between the claimant, Village of Ridgewood ("the Village") and the petitioners, Shell Oil Company, Chevron U.S.A. Inc. and Sun Refining and Marketing Company ("Settling Petitioners"), collectively referred to as the "Settling Parties".

**I.  
RECITALS**

**WHEREAS**, the Village provides drinking water for residents of the Village, Glen Rock, Wyckoff and Midland Park through a series of approximately 58 active potable wells, two of which are the Twinney and Walthery Wells (hereinafter "the Wells"); and

**WHEREAS**, the Village asserted that the Twinney and Walthery Wells have been contaminated and could not longer be used to supply potable water; and

**WHEREAS**, the Village designed, constructed and currently maintains a treatment facility at the Twinney Well which treats water pumped from the Twinney and Walthery Wells; and

**WHEREAS**, in October 1990 the Village filed two claims with the Administrator of the New Jersey Spill Fund for damages resulting from the contamination of the Wells along with claims for taste and odor problems, those claims having been designated as Claim Numbers 90-0102 and 90-0112 (collectively referred to as "Spill Fund Claims"), and

**WHEREAS**, the Village filed an amendment to the Spill Fund Claims dated November 30, 1993, and

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**SH-NJ-XX-081405**

WHEREAS, the potential responsible parties, including the Settling Petitioners, filed a demand for arbitration pursuant to N.J.S.A. 58:10-23, which was assigned Docket No. ESF 9886-93N (hereinafter referred to as "Arbitration"), and

WHEREAS, the Village initiated suit in the Superior Court of New Jersey, Law Division, Bergen County, Docket No. BER-L-780-92 (hereinafter referred to as "Litigation"), seeking recovery of the alleged damages resulting from the contamination of the Wells against alleged potential responsible parties, including the Settling Petitioners, with said allegations in the complaint being denied by the Settling Petitioners; and

WHEREAS, the parties hereto have agreed to settle and compromise their respective claims, it being expressly understood and agreed that the parties have denied and continue to deny liability for the claims asserted in the Arbitration and Litigation;

NOW, THEREFORE, in consideration for the mutual promises contained in this Agreement, it is hereby agreed by and among the settling parties as follows:

**1. Definitions**

1.1 The "Village" is defined as the Village of Ridgewood and incorporates herein by reference all entities of the Village of Ridgewood, including the Village of Ridgewood Water Department and all Village officials, officers, employees, agents, representatives and assigns.

1.2 The "Wells" are defined as the Twinney and Walthery Wells which are located in the low service area of the Village of Ridgewood's water supply system.

1.3 "NJDEPE" means the New Jersey Department of Environmental Protection and Energy.

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1.4 "Shell" means the defendant, Shell Oil Company, and its subsidiaries, divisions, affiliates, offices, directors, employees, attorneys, agents, representatives, and all persons authorized to act on its behalf.

1.5 "Chevron" means the defendant, Chevron U.S.A. Inc., and its subsidiaries, divisions, affiliates, offices, directors, employees, attorneys, agents, representatives, and all persons authorized to act on its behalf.

1.6 "Sun" means the defendant, Sun Refining & Marketing Company, and its subsidiaries, divisions, affiliates, offices, directors, employees, attorneys, agents, representatives, and all persons authorized to act on its behalf.

1.7 "Settling Petitioners" and/or "Settling Defendants" means the petitioners and defendants, Shell, Chevron, and Sun.

1.8 "Spill Fund Claims" means the two claims, as amended, filed with the Administrator of the New Spill Fund by the Village for damages resulting from the contamination of the Twinney and Walthery Wells which claims have been designated as Claim Numbers 90-0102 and 90-0112.

1.9 "Arbitration" means the currently pending arbitration proceedings before New Jersey Administrative Law Judge Masin resulting from the demand for arbitration filed pursuant to N.J.S.A. 58:10-23 by potential responsible parties, including the Settling Petitioners with respect to the Spill Fund Claims.

1.10 "Litigation" means the lawsuit originally filed in the Superior Court of New Jersey, Law Division, Bergen County, Docket No. BER-L-780-92, against numerous potential responsible parties, including but not limited to Shell, Chevron, Sun, J. H. Ferguson & Sons Inc., Joseph H. Ferguson, Anthony Bolt, Robert Ferguson,

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Cumberland Farms Inc., Herbert Rothstein, Crete Equipment Corporation, Peter Soldano, and numerous fictitious corporate and individual entities.

1.11 "Subrogation" means the substitution of one person or entity in place of another with reference to an assigned lawful claim or right. Under New Jersey law, "subrogation" is an equitable device by which the subrogee, having paid for a loss to subrogor, steps into the shoes of the subrogor to assert any claim that it had against the third party, who, in good conscience, ought to pay for the loss. See Dome Petroleum Ltd. v. Employers Mut. Liability Ins. Co., 767 F.2d 43 (3rd Cir. 1985).

1.12 "Remediation" means the clean up of groundwater and subsurface soils to specific levels in accordance with industry and NJDEPE practices.

1.13 "Spill Act" means the New Jersey Spill and Compensation Act as set forth in N.J.S.A. 58:10-23.11, *et seq.*

## 2. Settlement Consideration

2.1 In full settlement of all legal claims as set forth in the Spill Fund Claims, Arbitration and the Litigation, Settling Petitioners shall collectively pay to the Village the sum of **EIGHT HUNDRED TWENTY-FIVE THOUSAND DOLLARS (\$825,000)** (hereinafter "Settlement Payment"). The Settlement Payment payable by the Settling Petitioners shall be made to the Village within twenty (20) calendar days following execution of this Agreement by the Village.

2.2 The Settling Petitioners, through their designated attorney and with the consent of the Village's attorney, will file a substitution of attorney in the Litigation replacing the Village's attorneys.

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**4. Dismissal**

4.1 In consideration for the Settlement Payment, the Village shall withdraw the Spill Fund Claims with prejudice and without cost to any party. The Village shall also request that the New Jersey Administrative Judge dismiss the Arbitration with prejudice as being moot. This withdrawal and request for dismissal shall occur immediately following the Village's receipt of the Settlement Payment from the Settling Petitioners.

**5. Subrogation and/or Assignment**

5.1 The Village hereby assigns all of its legal rights against all potential responsible parties as named in the Spill Fund Claims, Arbitration, and Litigation, as well as all legal rights against all other known or unknown entities which caused contamination in the Twinney and Walthery Wells. The legal rights assigned shall be all available legal rights, and shall not be limited to any extent.

5.2 For purposes of this Agreement, the subrogee shall be the Settling Petitioners and the subrogor shall be the Village.

5.3 Under the rights of subrogation, the Settling Petitioners shall have the right to pursue in the name of the Village against any and all third parties any legal action arising out of the alleged contamination of the Twinney and Walthery Wells in the Village.

5.4 The Village agrees to cooperate with the Settling Petitioners in the prosecution of any subrogation litigation. The extent of the required cooperation shall be reasonable, which would include access to the Village's financial construction and remediation reports and records relating to the site assessment and remediation of the

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Wells, along with reasonable assistance to the Settling Petitioners and their designated attorneys during Litigation.

**6. Indemnification**

6.1 The Settling Petitioners shall protect, defend, indemnify and hold harmless the Village, its agents, officers and employees, from and against any claims, including but not limited to counterclaims, cross-claims, or third party claims by any party to the Litigation arising out of, or otherwise relating to the Village's costs for site assessment and remediation of the Wells. This duty to defend, indemnify and hold harmless shall not apply to any personal injury or property damage or other tort action relating to or concerning the Wells, nor to any enforcement action commenced by the NJDEPE.

(a) The Settling Petitioners, in indemnifying the Village, shall have the option of assuming the Village's defense with counsel of its own choosing.

6.2 The Village shall protect, defend, indemnify and hold harmless the Settling Petitioners, their agents, officers and employees, from and against any enforcement action commenced by the NJDEPE, concerning the on-site site assessment and remediation of the contamination to the Wells. This provision is not intended to apply to future spills originating from the Settling Petitioners' sites.

6.3 The indemnifications described in this Agreement are intended to be complete indemnifications, and therefore shall also include without limitation reasonable counsel fees and disbursements of counsel incurred by the respective parties.

**7. Representations and Warranties**

7.1 The Village has not knowingly taken any action that has or will adversely affect the assignment to and subrogation rights of the Settling Petitioners in regards to the named defendants in the Litigation.

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**8. Notices**

8.1 Notices hereunder shall be given only by certified mail, air courier, or facsimile. Any electronic transmission shall be deemed given when the notice is deposited in the mail and with the air courier, facsimile, electronic transmission service, postage or air courier charges prepaid, with a confirmation of delivery requested, and directed to the party to whom intended at such party's address or such address of such party as may be substituted by notice to the other.

**9. Governing Law**

9.1 This Agreement shall be governed by and be construed in accordance with the laws of the State of New Jersey, including, without limitation, in relation to all matters of formation, interpretation, construction, validity, performance and enforcement.

**10. Sole Agreement/Modification**

10.1 This Agreement constitutes the entire agreement between the Village and the Settling Petitioners with respect to the matters covered hereby and merges and supersedes any prior or contemporaneous agreement, understanding or undertaking, written or oral, by or between the parties regarding these matters.

- (a) The parties specifically agree that no representations or inducements other than the considerations recited herein have been made.
- (b) There is no understanding, agreement, or representation which in any way limits, extends or defines the provisions or redefines the provisions herein. Any modifications, extensions or limitations of this Agreement shall be in writing and signed by all parties.

10.2 The parties represent that they have the sole and exclusive right and authority to resolve the claims asserted in the Spill Fund Claims, Arbitration, and

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Litigation, and that each of them has received independently legal advice from their respective counsel with respect to settling and resolving the Spill Fund Claims, Arbitration, and Litigation, and with respect to executing this Agreement.

**11. Effect of Agreement**

11.1 This Agreement shall bind and inure to the benefit of the parties hereto and their respective successors and assigns.

11.2 No person or entity which is not a party to this Agreement shall acquire any rights hereunder, whether as a purported third party beneficiary or otherwise, except as otherwise herein expressly provided.

**12. Counterparts**

12.1 This Agreement may be executed simultaneous in one or more counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument. Copies of the Agreement shall have the same force and effect as an original for any and all purposes.

**13. Miscellaneous**

13.1 At any time, and from time to time, after the signing of this Agreement, each party shall execute such additional instruments and take such action as may reasonably be required by the other party to carry out the intent and purposes of this Agreement.

13.2 Any failure on the part of any party hereto to comply with any of its obligations, agreements, or conditions hereunder may be waived in writing by the party to whom such compliance is owed.

13.3 If any provision of this Agreement is invalid, unlawful or incapable of being enforced or performed, by reason of any rule of law or public policy, all other

provisions of this Agreement which can be given effect without the invalid, unlawful or unenforceable provision(s) shall, nevertheless, remain in full force and effect, and no other provision shall be deemed to be dependent upon any other covenant or provision unless so expressed herein.

13.4 The parties agree that they shall pay all reasonable attorneys fees, disbursements, and other costs incurred if any other party is required to commence any action to enforce the terms and conditions of the Settlement Agreement and prevails.

IN WITNESS WHEREOF, the Village and Settling Petitioners' authorized agents or officers execute this Agreement having set forth their initial on each respective page.

VILLAGE OF RIDGEWOOD

ATTEST:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

SHELL OIL COMPANY

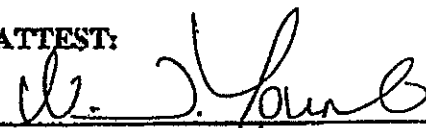
ATTEST:

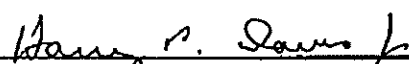
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Title: \_\_\_\_\_

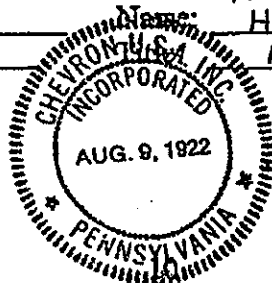
By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

CHEVRON U.S.A. INC.

ATTEST:


  
Name: **W. J. YOUNG**  
Title: **ASSISTANT SECRETARY**

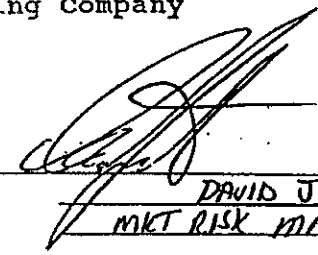

By:   
Name: **Harry P. Davis Jr.**  
Title: **Assistant Secretary**



SUN COMPANY, INC. (R&M) formerly  
known as Sun Refining and  
Marketing Company

ATTEST:

  
Name: THOMAS BROWNIE, JR.  
Title: SECRETARY

By:    
Name: DAVID JUSTIN  
Title: MKT RISK MANAGER

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SH-NJ-XX-081415

provisions of this Agreement which can be given effect without the invalid, unlawful or unenforceable provision(s) shall, nevertheless, remain in full force and effect, and no other provision shall be deemed to be dependent upon any other covenant or provision unless so expressed herein.

13.4 The parties agree that they shall pay all reasonable attorneys fees, disbursements, and other costs incurred if any other party is required to commence any action to enforce the terms and conditions of the Settlement Agreement and prevails.

IN WITNESS WHEREOF, the Village and Settling Petitioners' authorized agents or officers execute this Agreement having set forth their initial on each respective page.

VILLAGE OF RIDGEWOOD

ATTEST:

Heather A. Mailander  
Name: Heather A. Mailander  
Title: Village Clerk

By: Patrick A. Mancuso  
Name: PATRICK A. MANCUSO  
Title: MAYOR  
5/6/94

SHELL OIL COMPANY

ATTEST:

\_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

CHEVRON U.S.A. INC.

ATTEST:

\_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

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provisions of this Agreement which can be given effect without the invalid, unlawful or unenforceable provision(s) shall, nevertheless, remain in full force and effect, and no other provision shall be deemed to be dependent upon any other covenant or provision unless so expressed herein.

13.4 The parties agree that they shall pay all reasonable attorneys fees, disbursements, and other costs incurred if any other party is required to commence any action to enforce the terms and conditions of the Settlement Agreement and prevails.

IN WITNESS WHEREOF, the Village and Settling Petitioners' authorized agents or officers execute this Agreement having set forth their initial on each respective page.

**VILLAGE OF RIDGEWOOD**

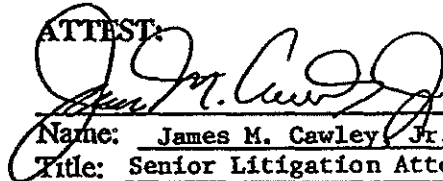
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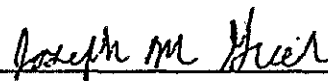
\_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**SHELL OIL COMPANY**

**ATTEST:**

  
Name: James M. Cawley, Jr.  
Title: Senior Litigation Attorney

By:   
Name: Joseph M. Greer  
Title: Marketing - Manager Eastern Region

**CHEVRON U.S.A. INC.**

**ATTEST:**

\_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

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**EXHIBIT 3**

**Excerpts of the 1999 Settlement Order  
(SH-NJ-XX-048711-048717)**

**A complete copy of the Order is available upon request of the  
Court**

**FILED**

JUN 18 1999

**LAWRENCE D. SMITH  
J.S.C.**

VINICK & DOCHERTY, ESQS.  
Attorneys for Defendant  
85 Livingston Avenue  
Roseland, New Jersey 07068

(973)994-1955  
Our File: 1020-BZ

SUPERIOR COURT OF NEW JERSEY  
LAW DIVISION: BERGEN COUNTY  
DOCKET NO. BER-L-003331-98

VILLAGE OF RIDGEWOOD,

Plaintiff,

CIVIL ACTION

ORDER FOR JUDGMENT

-VS-

SHELL OIL COMPANY, a Delaware  
corporation, JOHN DOE, (a fictitious  
designation),

Defendants.

This matter having been opened to the Court by John D. Horan, Esq. of Stoldt, Horan & Kowal, P.A., attorneys for the plaintiff, Village of Ridgewood, and Philip B. Vinick, Esq. of Vinick & Docherty, Esqs., attorneys for the defendant, Shell Oil Company, on application by the parties for the entry of an Order for Judgment following Case Management/Settlement Conferences with this Court, and it appearing that the parties consent to the entry of the within Order for Judgment the amount of which this Court deems to be fair and reasonable, and good cause having been shown for the making and granting of this Order;

It is on this 18 day of June, 1999;

SH-NJ-XX-048712

ORDERED, as follows:

1. Judgment shall be entered in favor of the plaintiff, Village of Ridgewood, and against the defendant, Shell Oil Company, in the sum of \$400,000, without interest or costs.
2. A Warrant to Satisfy the within judgment shall be filed immediately following entry and satisfaction of the within judgment.




Lawrence D. Smith, J.S.C.

Consent is hereby given to the form and entry of the within Order for Judgment

STOLDT, HORAN & KOWAL, P.A.  
Attorneys for Plaintiff

BY:

  
John D. Horan

DATED: 6/10/99

VINICK & DOCHERTY, ESQS.  
Attorneys for Defendant

BY:

  
Philip B. Vinick

A Member of the Firm

DATED: 6/15/99

1020 BZ

VINICK & DOCHERTY, ESQS.  
Attorneys for Defendant  
85 Livingston Avenue  
Roseland, New Jersey 07068  
(973)994-1955  
Our File: 1020-BZ

SUPERIOR COURT OF NEW JERSEY  
LAW DIVISION: BERGEN COUNTY  
DOCKET NO. BER-L-003331-98

VILLAGE OF RIDGEWOOD,

Plaintiff,

-vs-

SHELL OIL COMPANY, a Delaware  
corporation, JOHN DOE, (a fictitious  
designation),

Defendants.

CIVIL ACTION

WARRANT TO SATISFY JUDGMENT

TO THE CLERK OF THE ABOVE NAMED COURT:

WHEREAS, Judgment was entered in the above-entitled action in favor of plaintiff,  
Village of Ridgewood, against defendant, Shell Oil Company, as appears by the record thereof  
by Order for Judgment, dated June 18, 1999.

NOW THEREFORE, this is your warrant and authority to enter on the aforesaid  
record, this satisfaction of judgment as paid in full.

STOLDT, HORAN & KOWAL, P.A.  
Attorneys for Plaintiff

BY:

  
John D. Horan

I certify that the foregoing statements made by me are true. I am aware that if any of  
the foregoing statements made by me are willfully false, I am subject to punishment.

DATED:

6/29/99

  
JOHN D. HORAN

SH-NJ-XX-048714

lease, dated February 17, 1988, is given

referred to as "I".

referred to as "You".

**If more than one person signs this Release, "I" shall mean each person who signs this Release.**

2. **Payment.** I have been paid a total of \$400, 000. 00\*\*\*\*\* in full payment for making this Release. I agree that I will not seek anything further including any other payment from you.

3. **Who is Bound.** I am bound by this Release. Anyone who succeeds to my rights and responsibilities, such as my heirs or the executor of my estate, is also bound. This Release is made for your benefit and all who succeed to your rights and responsibilities, such as your heirs or the executor of your estate.

4. **Signatures.** I understand and agree to the terms of this Release. If this Release is made by a corporation its proper corporate officers sign and its corporate seal is affixed,

**Witnessed or Attested by**

Heather A. Mailander  
HEATHER A. MAILANDER, Village Clerk

*Larry D. Worth*  
\_\_\_\_\_  
LARRY D. WORTH, Village Manager (Seal)

**(Seal)**

STATE OF NEW JERSEY, COUNTY OF BERGEN SS.:  
I CERTIFY that on February 27, 1999, Larry D. Worth

personally came before me and stated to my satisfaction that this person (or if more than one, each person):

(a) was the maker of the attached instrument; and  
(b) executed this instrument as his or her own act.

Gail F. Battaglia  
Notary Public of New Jersey  
My Commission Expires July 10, 1997

(Print name and title below signature)

Notary Public

STATE OF NEW JERSEY, COUNTY OF BERGEN  
I CERTIFY that on February 12, 1999.

SS.:

Heather A. Mailander personally came before me and stated under oath to my satisfaction that:  
(a) this person was the subscribing witness to the signing of the attached instrument;  
(b) this instrument was signed by Larry D. Worth

who is Village Manager of the Village of Ridgewood, a municipal corp.  
the entity named in this instrument, and was fully authorized to and did execute this instrument on its behalf;  
and.

(c) the subscribing witness signed this proof under oath to attest to the truth of these facts.

Signed and sworn to before me on  
February 19 99.

*Gail F. Battaglia*  
(Print name and title below signature)

Notary Public

*Heather A. Mailander*  
(Print name of witness below signature)  
Heather A. Mailander,  
Village Clerk

Gail F. Battaglia  
Notary Public of New Jersey  
My Commission Expires July 10, 1997

## RELEASE

VILLAGE OF RIDGEWOOD, A Municipal  
Corporation

TO

SHELL OIL COMPANY and/or MOTIVA,  
L.L.C.

Dated: February 12, 19 99

Record and return to:

RESOLUTION NO. 98-290

BE IT RESOLVED by the Village Council of the Village of Ridgewood that the Village Attorney be and he is hereby authorized to settle a certain matter now pending in the Superior Court of New Jersey, Law Division, Bergen County, between the Village of Ridgewood, Plaintiff, and Shell Oil Company, a Delaware Corporation and John Doe (a fictitious designation), Defendants under Docket No. L-003331-98 upon payment to the Village of Ridgewood by the Defendant, Shell Oil Company of the sum of FOUR HUNDRED THOUSAND (\$400,000.00) DOLLARS.

APPROVED AS TO FORM:

By:   
Sydney V. Stoldt, Jr.  
Village Attorney

NANCY SELL, RES  
File No. 10481-1

I hereby certify that this is a true copy  
of a resolution passed by the Council  
on December 8, 1999


  
VILLAGE CLERK

I hereby certify that this resolution, consisting of 1 page(s), was adopted at a meeting of the Village Council of the Village of Ridgewood, held this 8th day of December, 1998.

Moved Second Ayes Nays Absent Abstain

Harlow	X		X			
Miller		X	X			
Reilly			X			
Iche			X			
Mancuso			X			

  
Patrick A. Mancuso,  
Mayor

  
Heather A. Mailander,  
Village Clerk

## **EXHIBIT 4**

**Excerpts of Plaintiff's Amended Responses to Defendants'  
Requests for Admission Related to the Shell Ridgewood Trial Site**

**A complete copy of Plaintiffs' Responses is available upon  
request of the Court**



**UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF NEW YORK**

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In Re: Methyl Tertiary Butyl Ether ("MTBE")  
Products Liability Litigation

**MDL No. 1358  
Master File C.A. No.  
1:00-1898 (SAS)**

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**This document relates to the following case:**

*New Jersey Department of Environmental  
Protection v. Atlantic Richfield Co., et al.,  
Case No. 08 Civ. 00312*

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**PLAINTIFFS NEW JERSEY DEPARTMENT OF ENVIRONMENTAL  
PROTECTION ("NJDEP"), THE COMMISSIONER OF THE NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND THE  
ADMINISTRATOR OF THE NEW JERSEY SPILL COMPENSATION FUND'S  
RESPONSES TO DEFENDANTS' REQUESTS FOR ADMISSION RELATED TO  
SHELL RIDGEWOOD TRIAL SITE**

Plaintiffs New Jersey Department of Environmental Protection ("NJDEP"),  
Commissioner of the New Jersey Department of Environmental Protection, and  
Administrator of the New Jersey Spill Compensation Fund (collectively, "Plaintiffs"), by  
and through their attorneys, Miller, Axline & Sawyer, make the following Responses and  
General Objections to Defendants' Requests for Admission Related to Shell Ridgewood  
Trial Site ("Requests").

**GENERAL OBJECTIONS**

1. Plaintiffs object to the Requests on the grounds that they are improper and  
violate Federal Rules of Civil Procedure, Rule 36(a) because they include a request to

**RESPONSE TO REQUEST FOR ADMISSION NO. 57:**

Plaintiffs object to this Request to the extent it seeks to imply that the East Saddle River well is not at risk of contamination from MTBE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 58:**

Admit that MTBE has never been detected above New Jersey Maximum Contaminant Level for MTBE in the Ridgewood Water Department's Paramus well. See NJ-WKRIDGEWOOD-009118- NJ-WK-RIDGEWOOD-009123.

**RESPONSE TO REQUEST FOR ADMISSION NO. 58:**

Denied. In September 1999, MTBE was detected in the Paramus Well at 689 ug/L. Expert Report of Anthony Brown, Ridgewood Station Site Summary, at Table 1.

**REQUEST FOR ADMISSION NO. 59:**

Admit that MTBE has not been detected above New Jersey Maximum Contaminant Level for MTBE in the Ridgewood Water Department's Twinney well since February 1998. See NJ-WK-RIDGEWOOD-009195- NJ-WK-RIDGEWOOD-009198.

**RESPONSE TO REQUEST FOR ADMISSION NO. 59:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Twinney well has not been impacted by MTBE since February 1998. Plaintiffs further object to this Request to the extent the Request seeks to imply that the Twinney well is no longer at risk from MTBE contamination from the SITE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs

respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 60:**

Admit that MTBE has not been detected above New Jersey Maximum Contaminant Level for MTBE in the Ridgewood Water Department's Walthery well since March 1998. See NJ-WK-RIDGEWOOD-009195- NJ-WK-RIDGEWOOD-009198.

**RESPONSE TO REQUEST FOR ADMISSION NO. 60:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Walthery well has not been impacted by MTBE since March 1998. The July 2005 RAW included a Classification Exception Area (CEA) that acknowledged that the groundwater extracted by the Walthery Well is adversely impacted with MTBE (EnviroTrac, 2005a; 010772). Plaintiffs further object to this Request to the extent the Request seeks to imply that the Walthery well is no longer at risk from MTBE contamination from the SITE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted. Expert Report of Anthony Brown, Ridgewood Station Site Summary, at Tables 1, 3.

**REQUEST FOR ADMISSION NO. 61:**

Admit that MTBE has not been detected in the Ridgewood Water Department's Paramus well since September 1999. See NJ-WK-RIDGEWOOD-009118- NJ-WK-RIDGEWOOD-009123.

**RESPONSE TO REQUEST FOR ADMISSION NO. 61:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Paramus well has not been impacted by MTBE since September 1998. Plaintiffs further

object to this Request to the extent the Request seeks to imply that the Paramus well is no longer at risk from MTBE contamination from the SITE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 62:**

Admit that MTBE has not been detected in the Ridgewood Water Department's Walthery well since April 2008. See NJ-WK-RIDGEWOOD-009195- NJ-WK-RIDGEWOOD-009198.

**RESPONSE TO REQUEST FOR ADMISSION NO. 62:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Walthery well has not been impacted by MTBE since April 2008. Plaintiffs further object to this Request to the extent the Request seeks to imply that the Walthery well is no longer at risk from MTBE contamination from the SITE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 63:**

Admit that MTBE has not been detected in the Ridgewood Water Department's Twinney well since October 2006. See NJ-WK-RIDGEWOOD-009195- NJ-WK-RIDGEWOOD-009198.

**RESPONSE TO REQUEST FOR ADMISSION NO. 63:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Twinney well has not been impacted by MTBE since April 2008. Plaintiffs further object

to this Request to the extent the Request seeks to imply that the Twinney well is no longer at risk from MTBE contamination from the SITE. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 64:**

Admit that MTBE has never been detected in Twinney Pond.

**RESPONSE TO REQUEST FOR ADMISSION NO. 64:**

Plaintiffs object to this Request to the extent the Request seeks to imply that the Twinney Pond is not threatened by MTBE. Plaintiffs further object on the grounds that there is no record that Twinney Pond has been sampled for MTBE contamination. Expert Report of Anthony Brown, Ridgewood Station Site Summary, at 52. Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 65:**

Admit that the Walthery well was used by the Ridgewood Water Department only during times of peak demand. Ridgewood Water Department 30(b)(6) Dep. Tr. 102:3-103:13.

**RESPONSE TO REQUEST FOR ADMISSION NO. 65:**

Plaintiffs object to this Request on the grounds that it is vague and ambiguous in that it fails to define "peak demand." Subject to the General Objections and specific objections and without waiver of such objections, Plaintiffs respond as follows: Admitted.

**REQUEST FOR ADMISSION NO. 78:**

Admit that the Shell Defendants satisfied the \$1,200,000 administrative penalty imposed by the NJDEP under the Administrative Consent Order entered into on January 9, 2007. See SH-NJ-BB002539.

**RESPONSE TO REQUEST FOR ADMISSION NO. 78:**

Admitted.

**REQUEST FOR ADMISSION NO. 79:**

Admit that the Shell Defendants have submitted a certification to ensure the self-guarantee for the remediation funding source required under the Administrative Consent Order entered into on January 9, 2007 in every year since 2007. See SH-NJBB002539.

**RESPONSE TO REQUEST FOR ADMISSION NO. 79:**

Admitted that certification has been provided for 2008 (SH-NJ-ESI-017563-017620) and 2010 (SH-NJ-ESI-001100-001105).

**REQUEST FOR ADMISSION NO. 80:**

Admit that the Shell Defendants paid all of NJDEP's outstanding oversight costs regarding the SITE by July 13, 2010. See SH-NJ-ESI 004490.

**RESPONSE TO REQUEST FOR ADMISSION NO. 80:**

Admitted. NJDEP has not waived or released any rights against Shell Defendants regarding Natural Resource Damages or for costs, other the past oversight costs, incurred by the State of New Jersey to investigate or remediate the SITE. See SH-NJ-ESI 004490.

**REQUEST FOR ADMISSION NO. 81:**

Admit the NJDEP have never incurred any cost for the sampling or treatment of

the Walthery, Twinney, Paramus or East Saddle River wells of the Ridgewood Water Department. See Lomerson 30(b)(6) Dep. Tr. 28:2-28:15.

**RESPONSE TO REQUEST FOR ADMISSION NO. 81:**

Admitted.

**REQUEST FOR ADMISSION NO. 82:**

Admit that NJDEP has incurred \$258,019.37 in PAST COSTS at the SITE. See Lomerson 30(b)(6) Dep. Tr. 66:19-67:3.

**RESPONSE TO REQUEST FOR ADMISSION NO. 82:**

Plaintiffs object to this Request to the extent that it implies that after June 14, 2012, Plaintiffs will not incur additional costs related to this SITE. Subject to the specific objections and the General Objections and without waiver of such objections, Plaintiffs respond as follows: Denied. NJDEP has incurred \$258,794.23 in PAST COSTS at the SITE through June 14, 2012. See Costs (30)(b)(6) Deposition, Exh. 3.

**REQUEST FOR ADMISSION NO. 83:**

Admit that NJDEP has recovered \$202,445.91 of its PAST COSTS incurred at the SITE from the Shell Defendants. See Lomerson 30(b)(6) Dep. Tr. 50:13-17.

**RESPONSE TO REQUEST FOR ADMISSION NO. 83:**

Admitted.

**REQUEST FOR ADMISSION NO. 84:**

Admit that NJDEP has not recovered \$55,573.46 of its past costs incurred at the SITE. See Summary of MTBE Trial Site Past Costs. See Lomerson 30(b)(6) Dep. Tr. 50:1851:6.

**PROOF OF SERVICE VIA LEXISNEXIS FILE & SERVE**

*New Jersey Department of Environmental Protection, et al. v. Atlantic Richfield Co., et al.*  
United States District Court, Southern District of New York, Case No. 08 Civ. 00312 (SAS)

I, the undersigned, declare that I am, and was at the time of service of the paper(s) herein referred to, over the age of 18 years and not a party to this action. My business address is 1050 Fulton Avenue, Suite 100, Sacramento, CA 95825-4225.

On the date below, I served the following document on all counsel in this action electronically through LexisNexis File & Serve:

**PLAINTIFFS NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**("NJDEP"), THE COMMISSIONER OF THE NEW JERSEY DEPARTMENT OF**  
**ENVIRONMENTAL PROTECTION, AND THE ADMINISTRATOR OF THE NEW**  
**JERSEY SPILL COMPENSATION FUND'S RESPONSES TO DEFENDANTS'**  
**REQUESTS FOR ADMISSION RELATED TO SHELL RIDGEWOOD TRIAL SITE**

I declare under penalty of perjury under the laws of the United States of America and the State of California that the foregoing is true and correct.

Executed on November 30, 2012, at Sacramento, California.



CHRISTINA KELLER